

Cotransfection of 293Cre cells with pBHGlox Δ E1,3 and a "Lox" shuttle plasmid for generation of Ad expression vectors

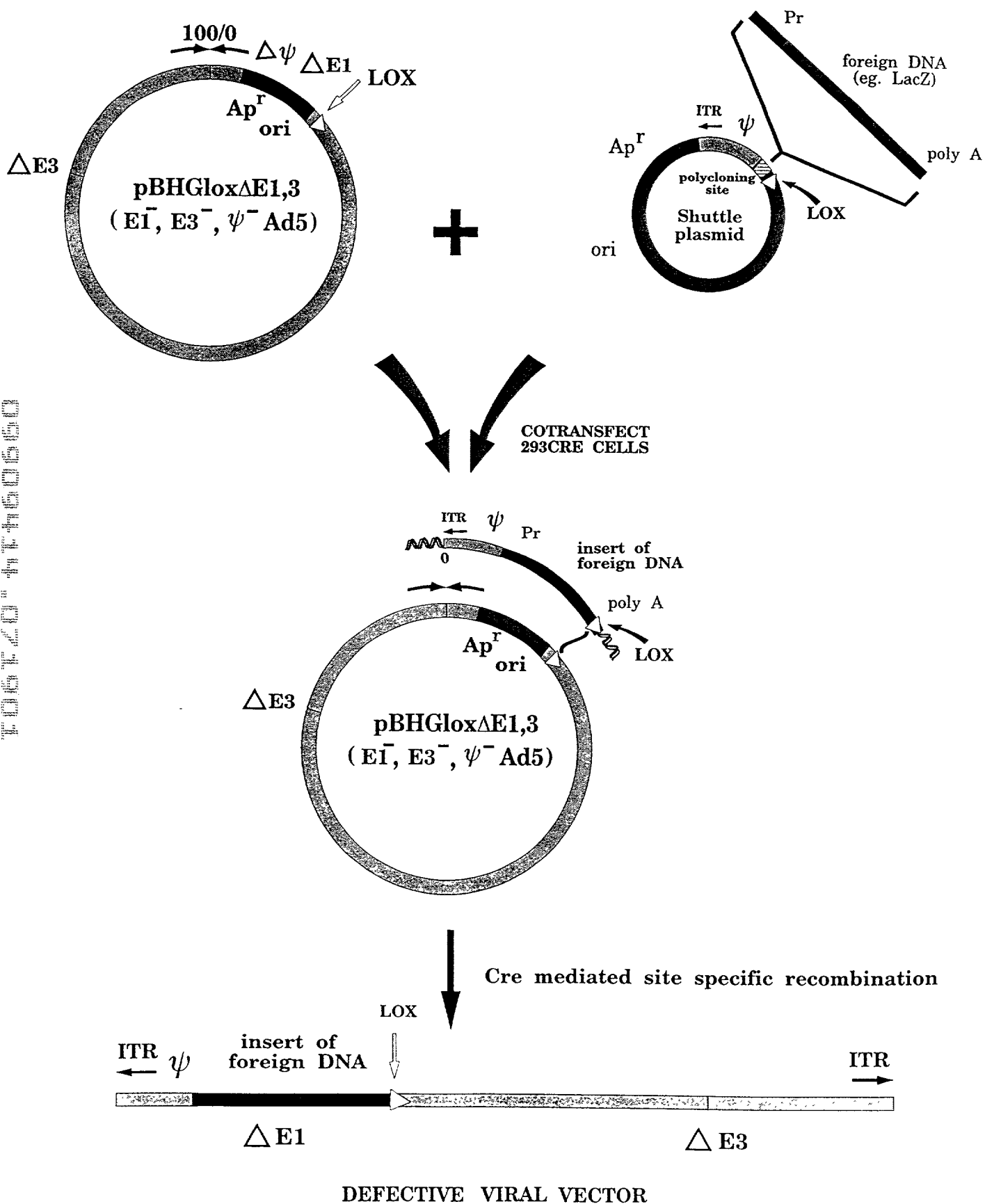


Figure 1

Cotransfection of 293Cre cells with pBHGlox Δ E1,3 and a "lox" shuttle plasmid for generation of Ad expression vectors

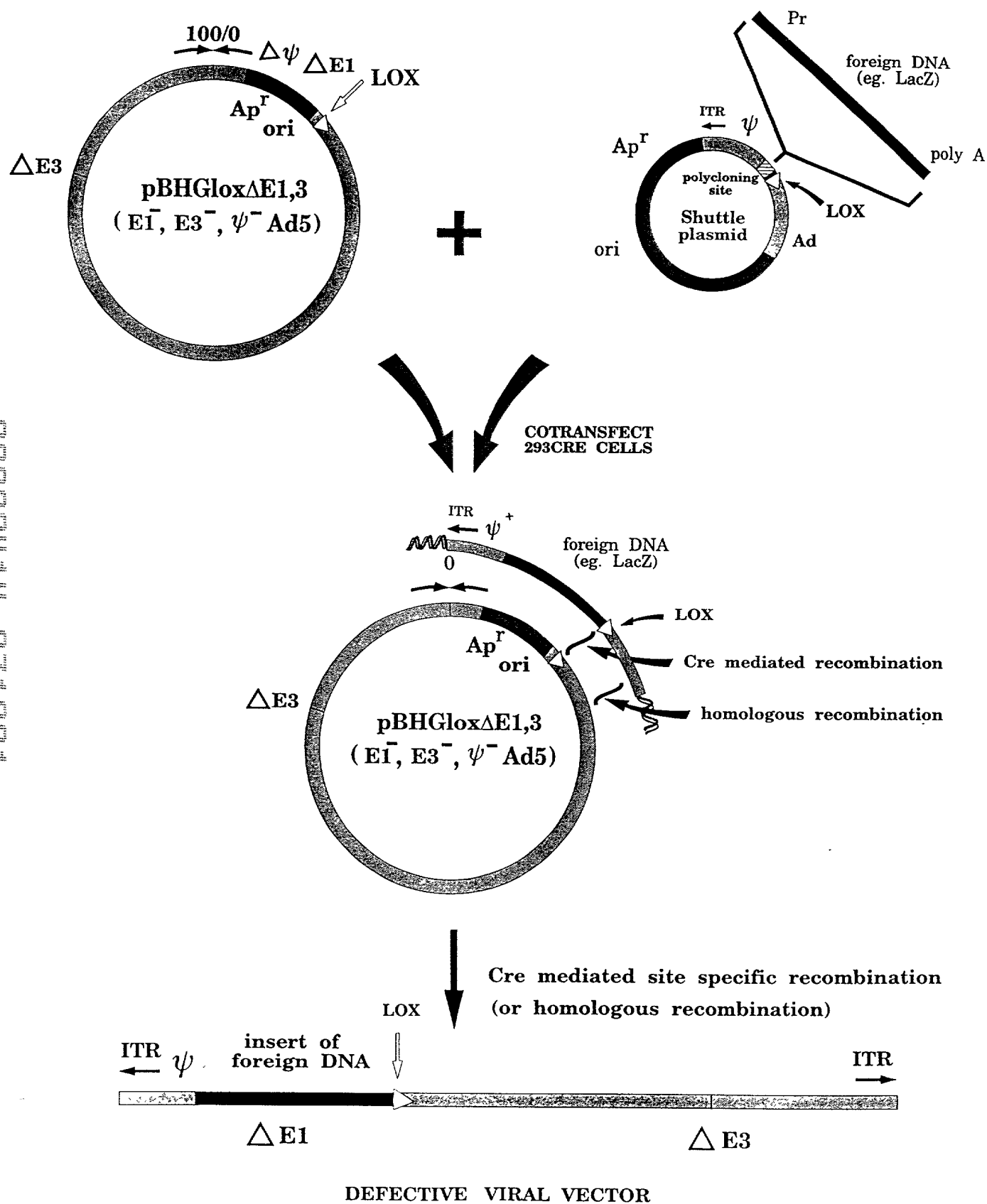
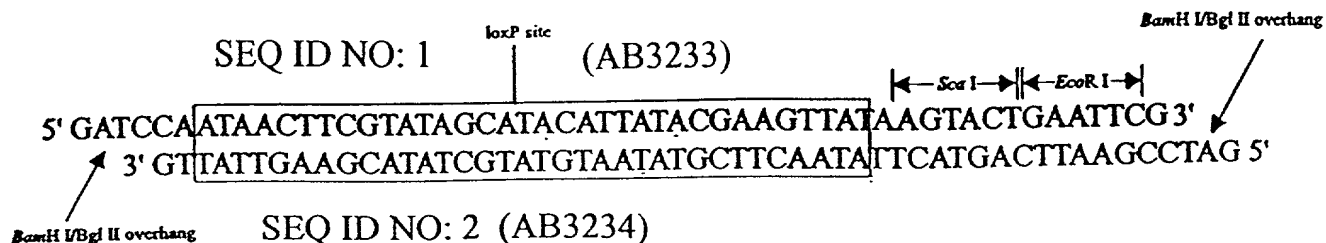


Figure 2

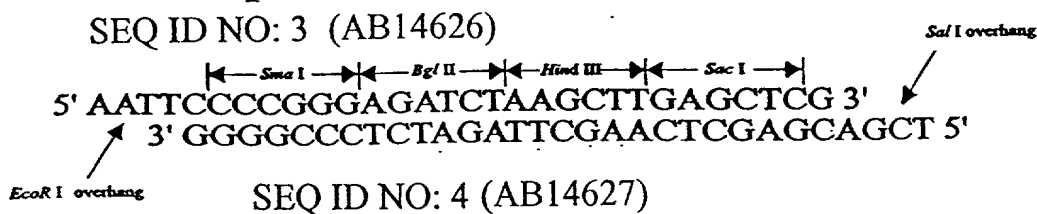
Figure 3

OLIGONUCLEOTIDES USED IN CLONING

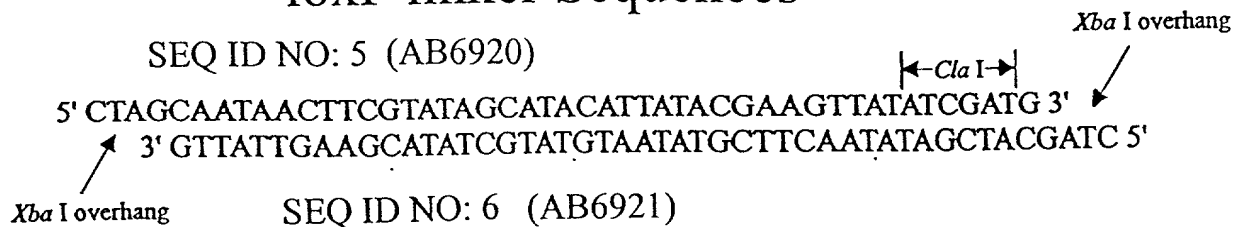
loxP linker Sequences



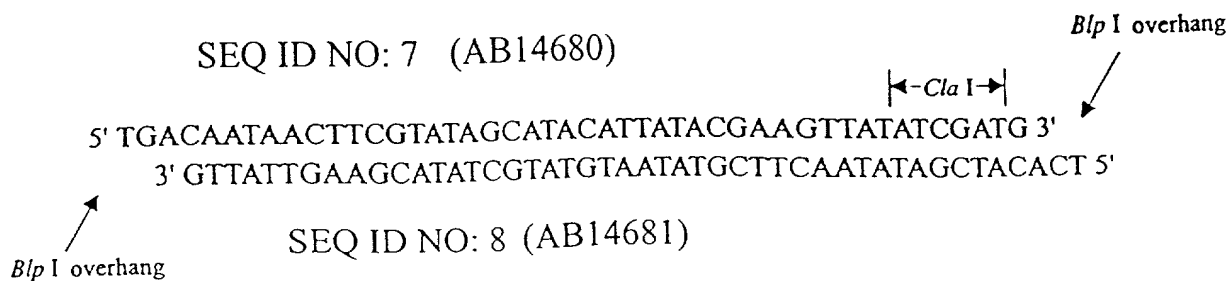
Multiple Cloning Site Sequences



loxP linker Sequences



loxP linker Sequences



CONSTRUCTION OF A CIRCULAR GENOMIC PLASMID FOR Ad VECTOR RESCUE USING THE Cre/ loxP SYSTEM

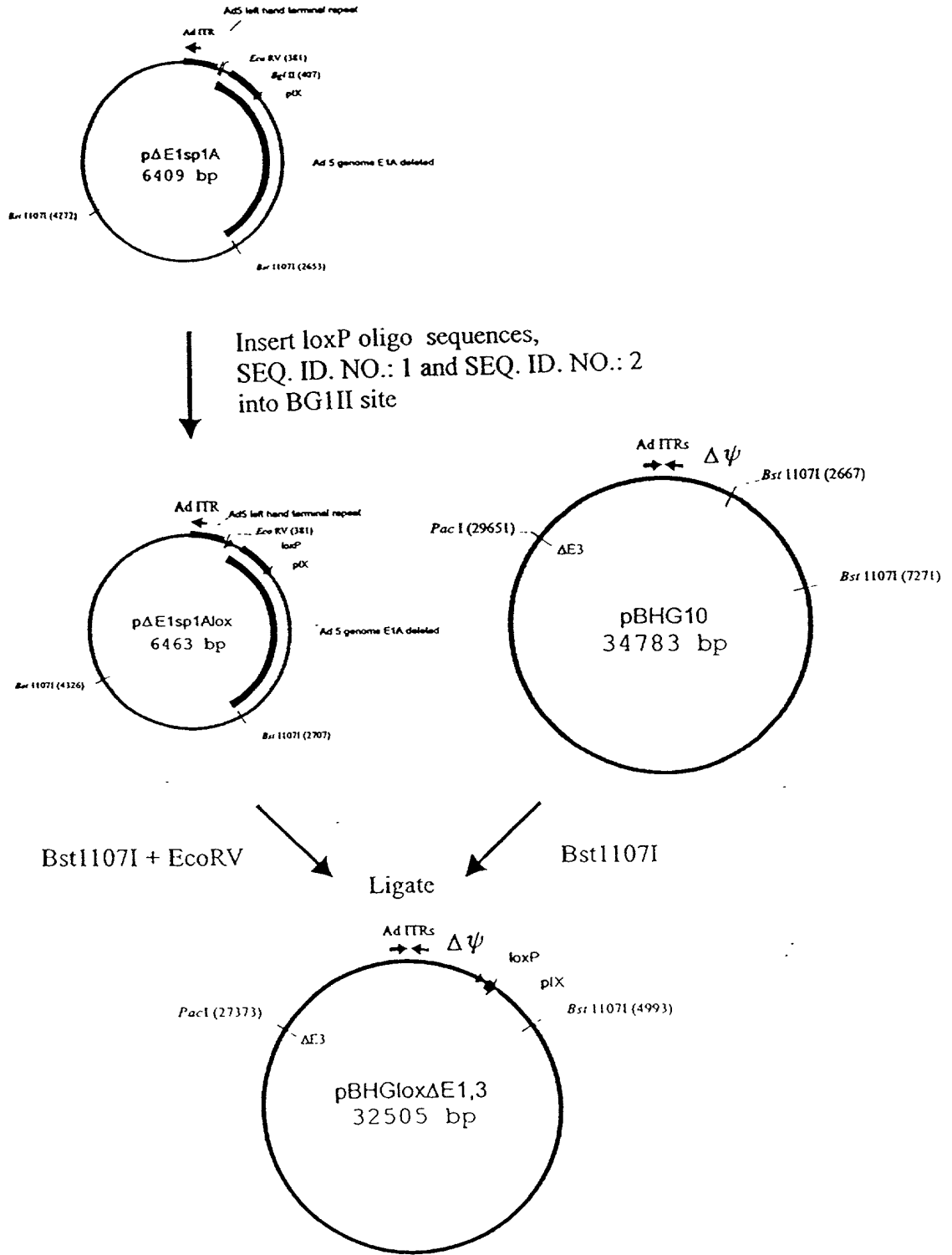


Figure 4A

T06T20"4T460650

CONSTRUCTION OF pBHGdX1Plox

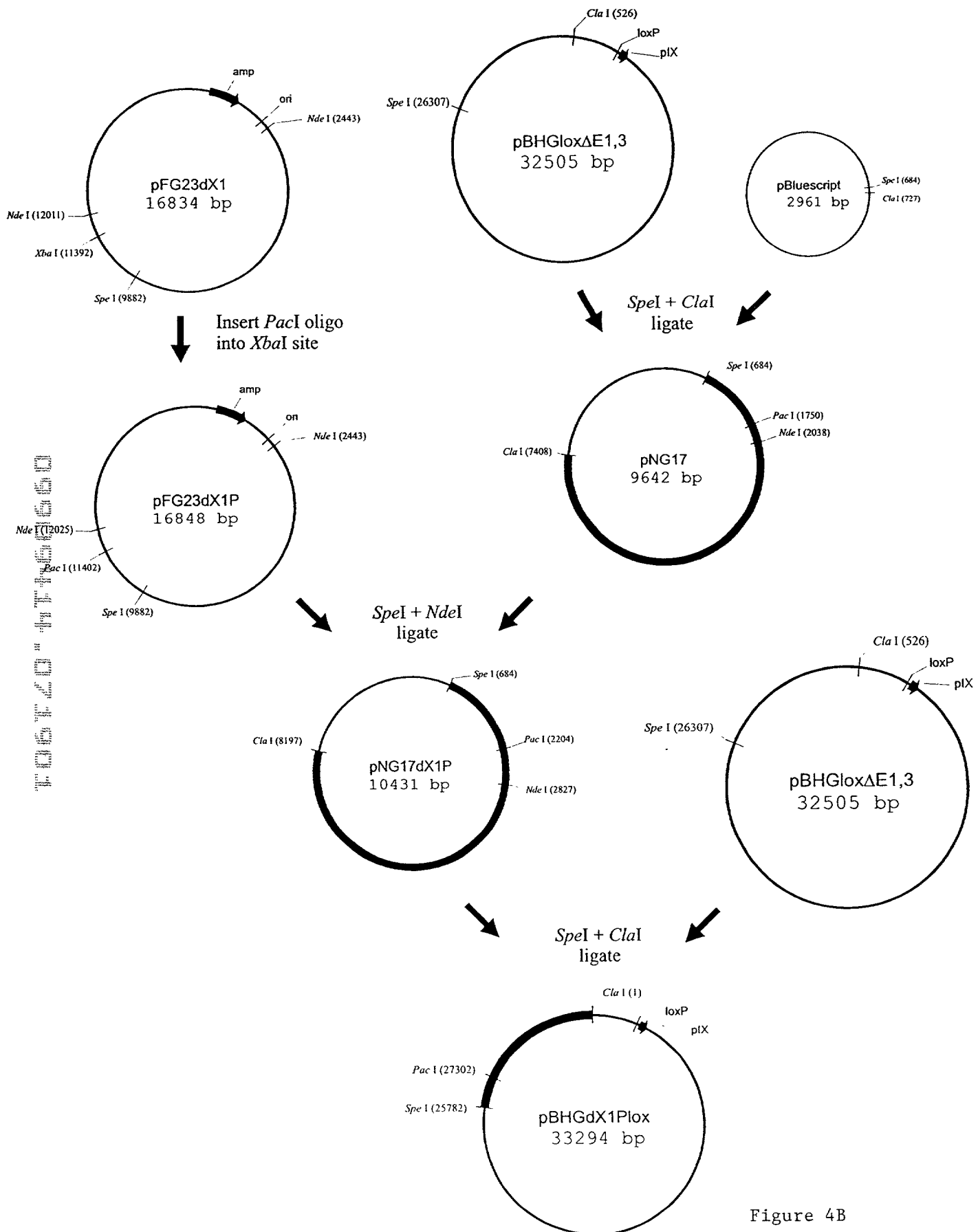


Figure 4B

CONSTRUCTION OF pBHGE3lox

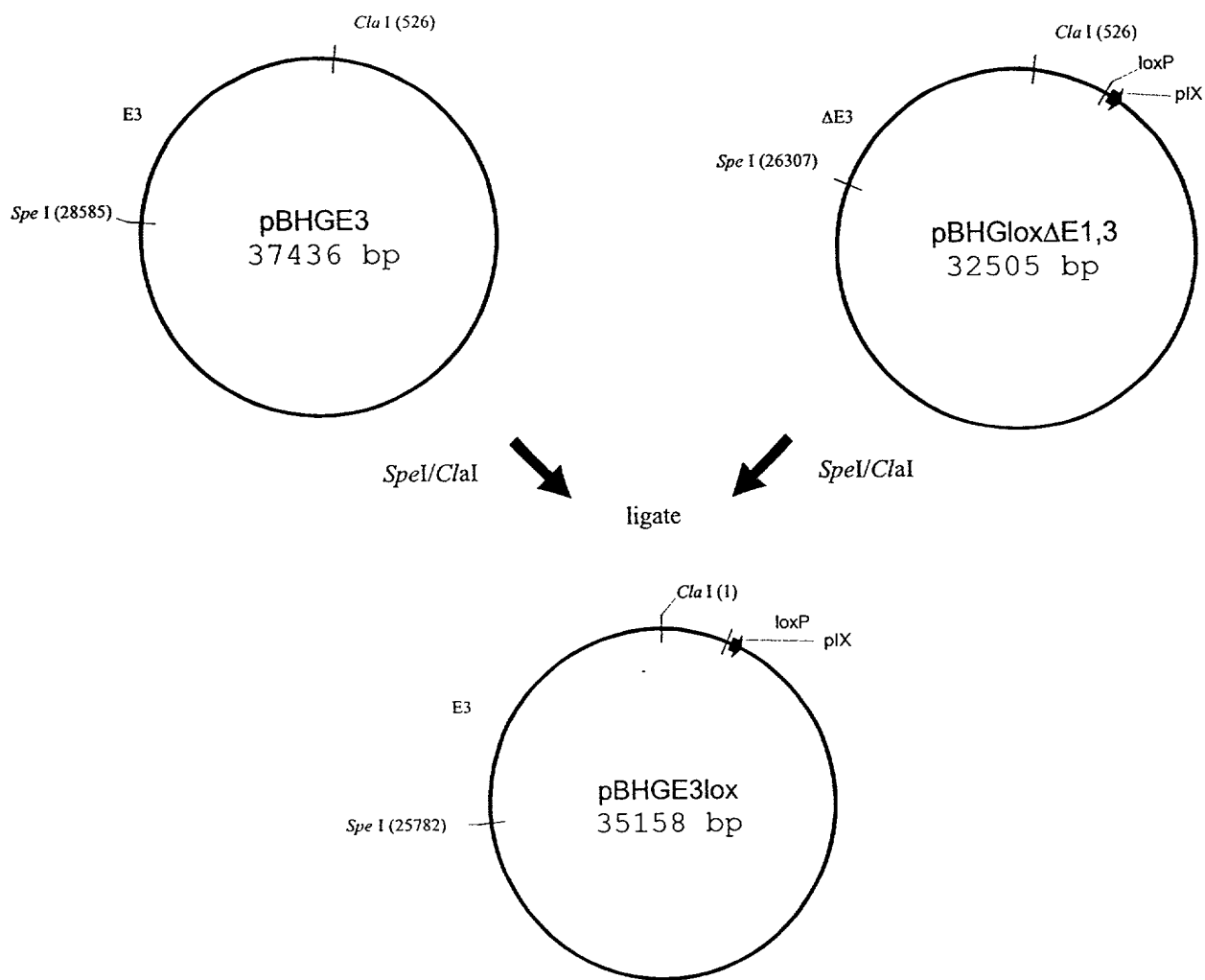


Figure 4C

CONSTRUCTION OF pΔE1SP1A & pΔE1SP1B loxP PLASMIDS FOR RESCUE OF FOREIGN DNA

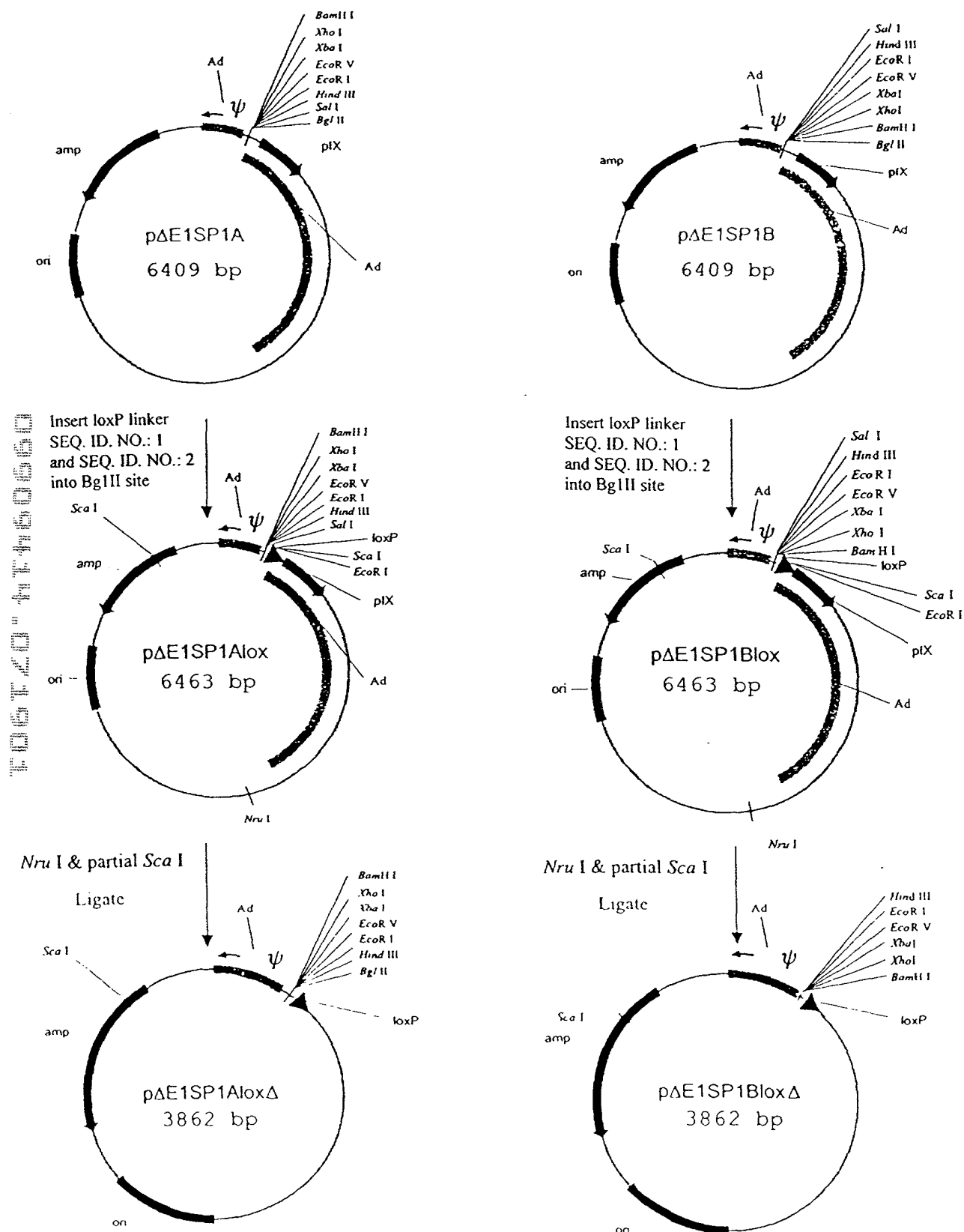


Figure 5

CONSTRUCTION OF pMH4LOX, pMH4LOXΔ and pMH4LOXΔLINK SHUTTLE PLASMIDS FOR RESCUE OF EXPRESSION CASSETTES

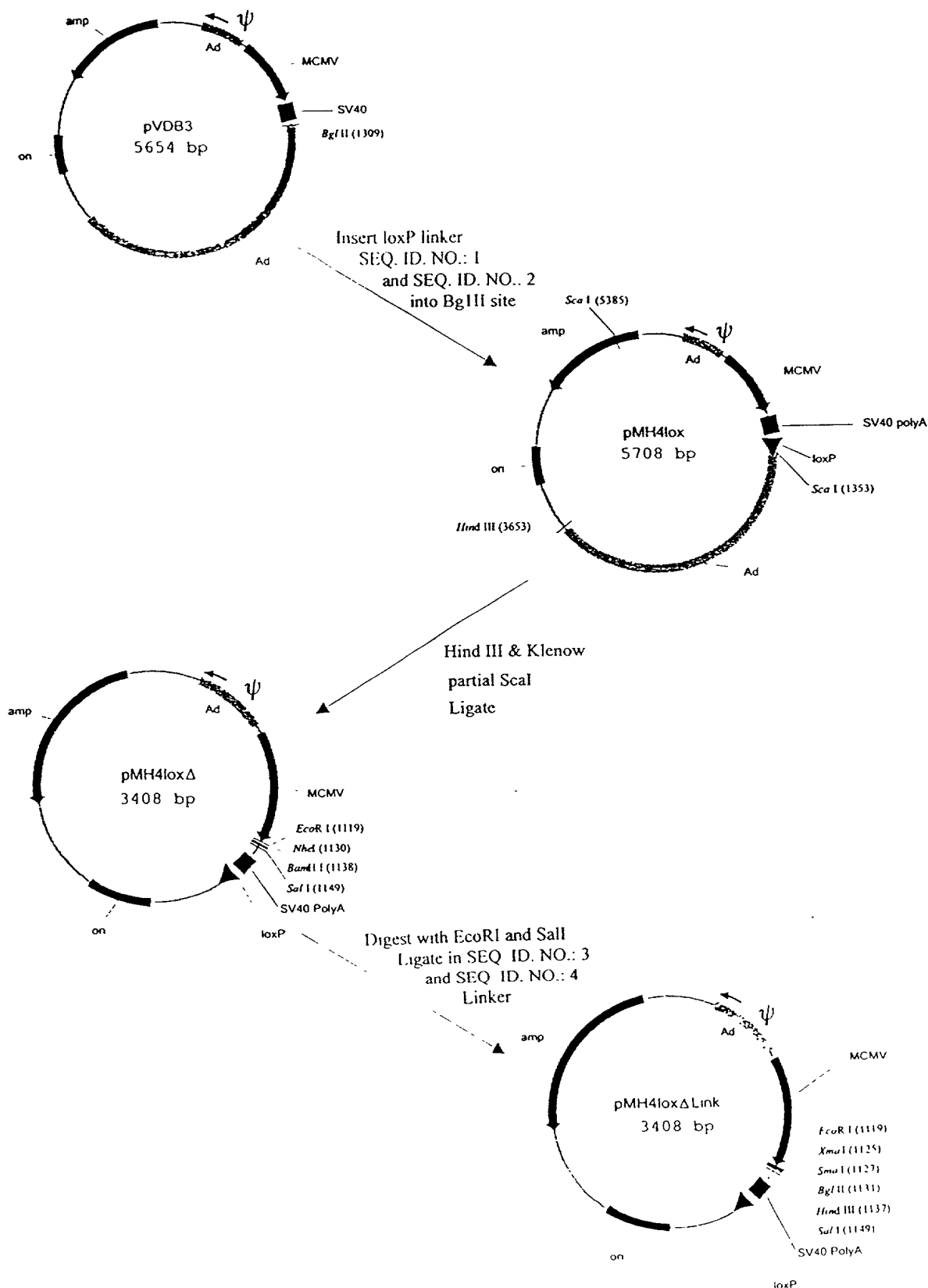


Figure 6A

CONSTRUCTION OF A SHUTTLE PLASMID CONTAINING A pUC DERIVED ORIGIN

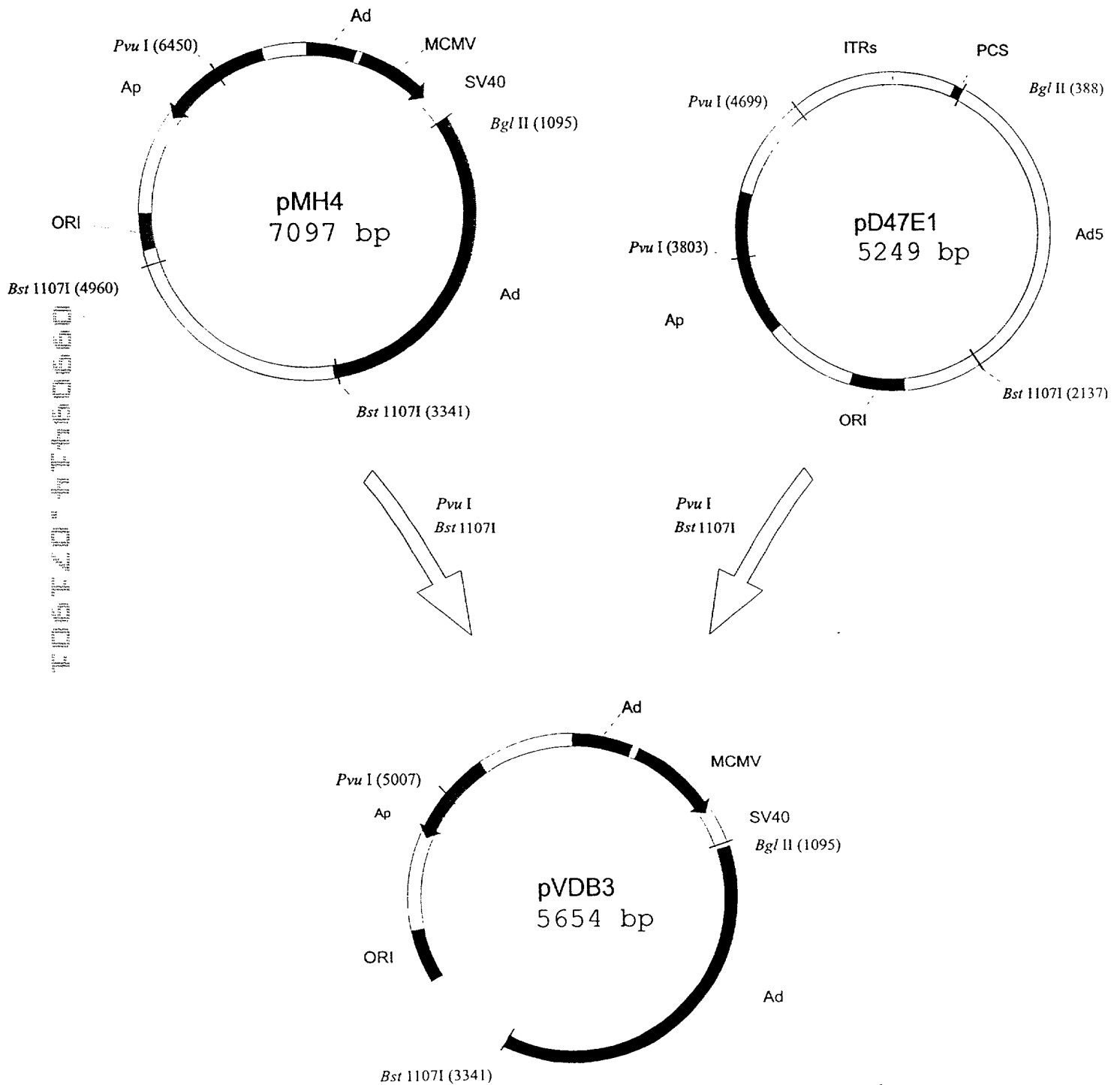


Figure 6B

CONSTRUCTION OF HCMV loxP PLASMIDS FOR RESCUE OF EXPRESSION CASSETTES

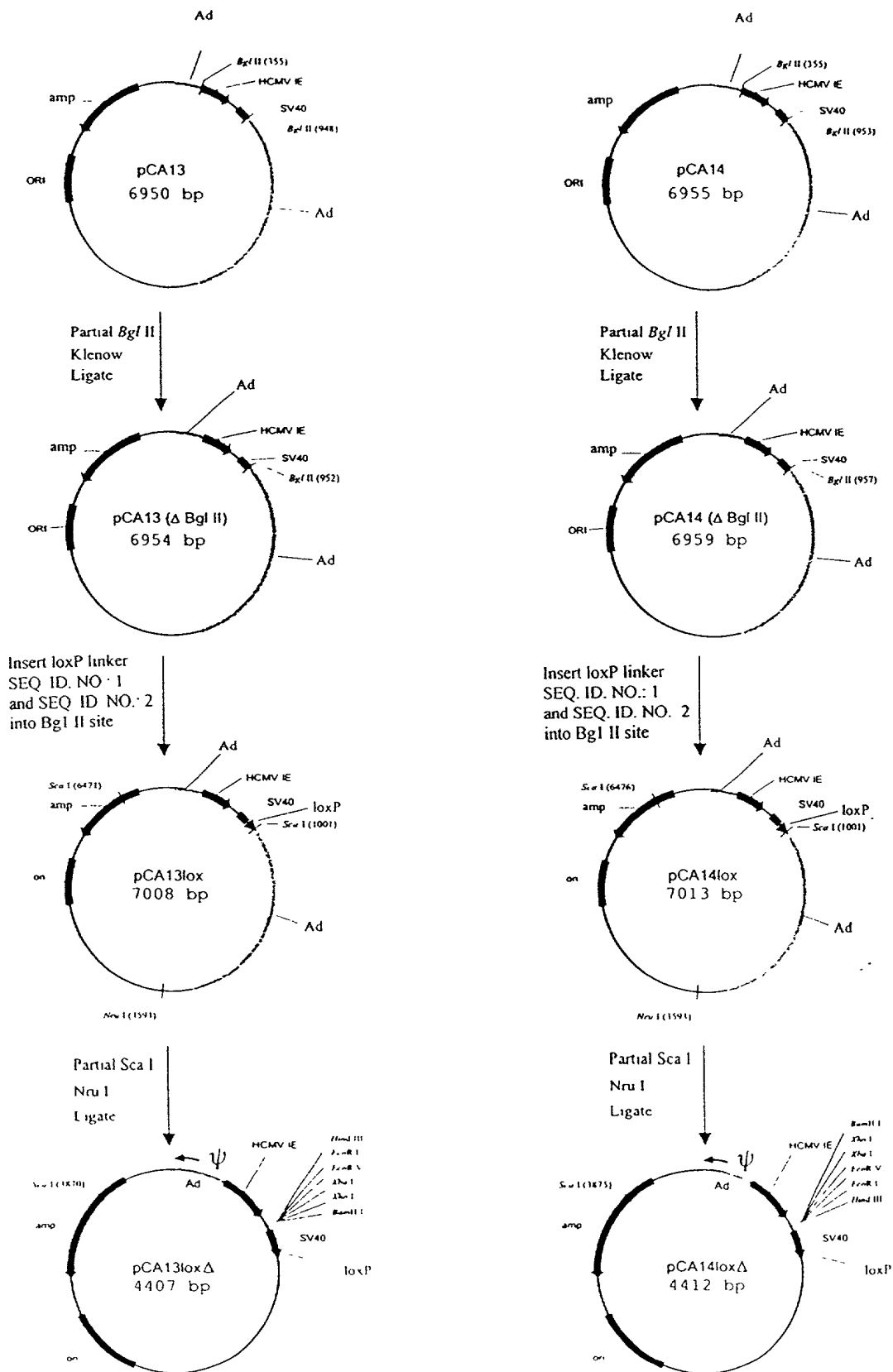


Figure 7

CONSTRUCTION OF pCA36LOX and pCA36LOX Δ SHUTTLE PLASMIDS FOR RESCUE OF LACZ

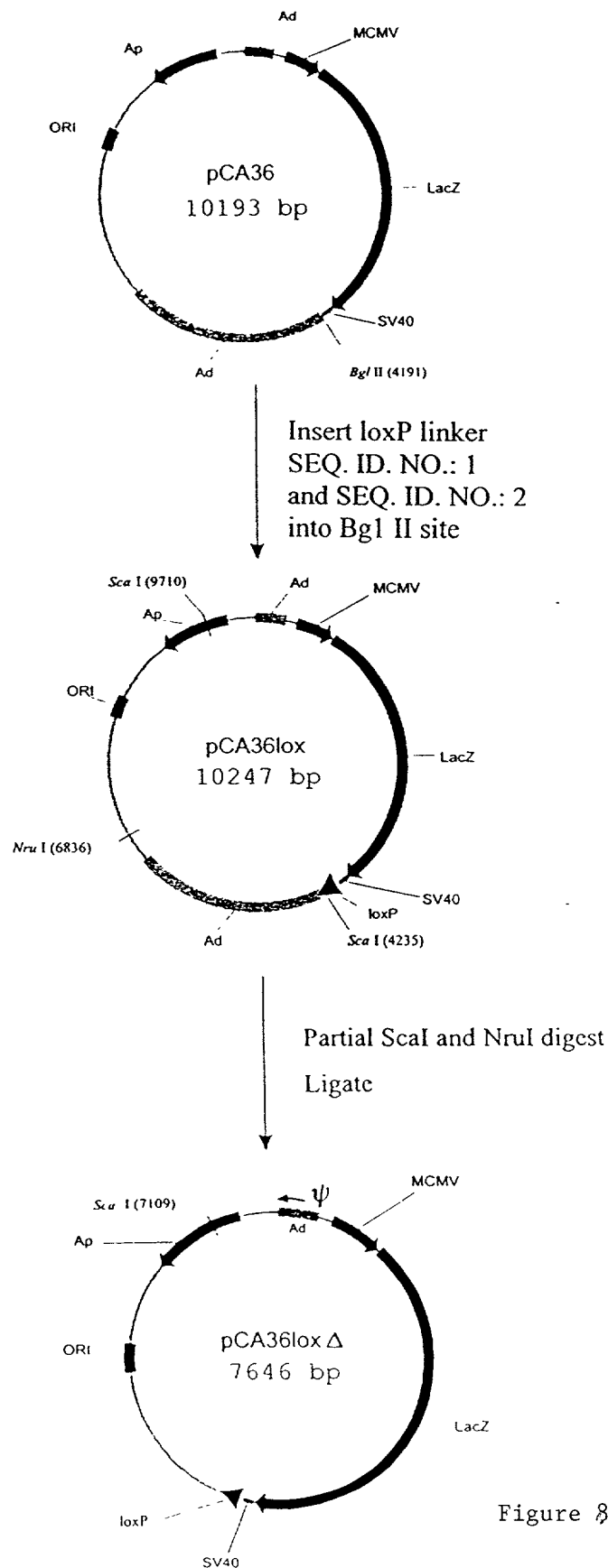


Figure 8A

TOP SECRET 47460660

Cotransfection of 293Cre cells with AdLC8c DNA-TP and a shuttle plasmid containing a loxP site for generation of Ad expression vectors

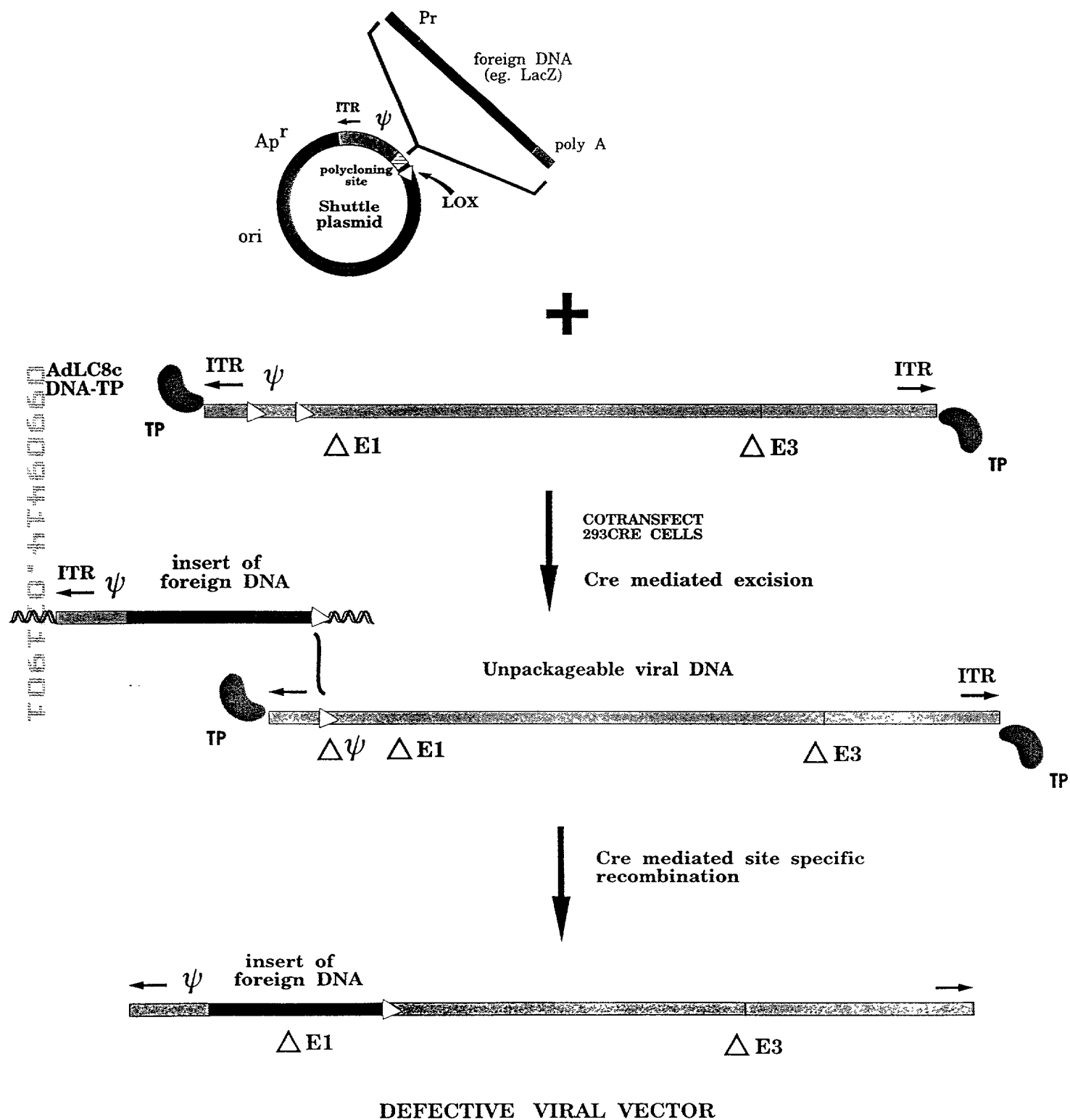


Figure 8B

Cotransfection of 293Cre cells with restricted AdLC8c DNA-TP and loxP shuttle plasmid for generation of Ad expression vectors

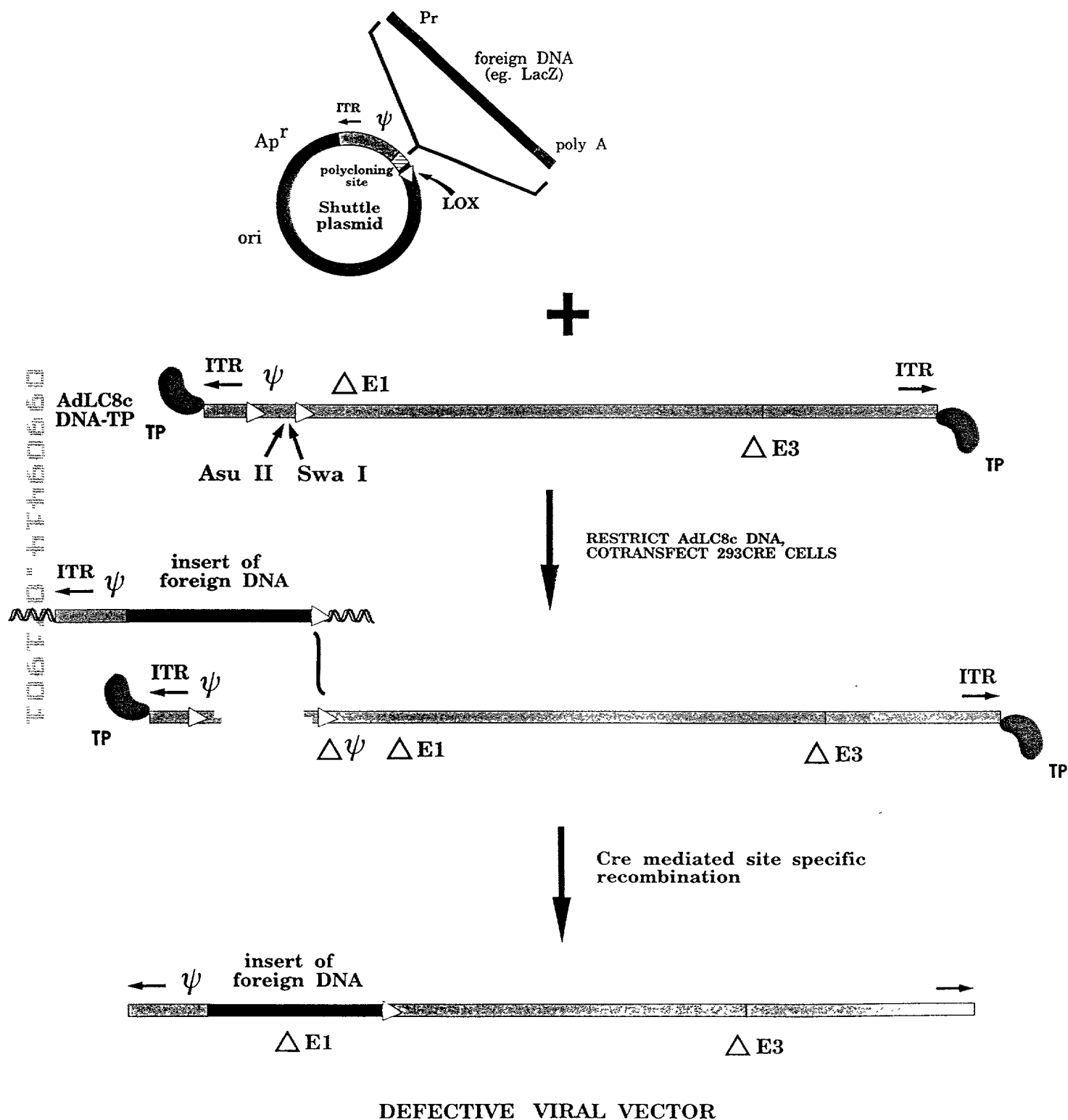


Figure 8C

CONSTRUCTION OF SHUTTLE PLASMIDS EXPRESSING Cre

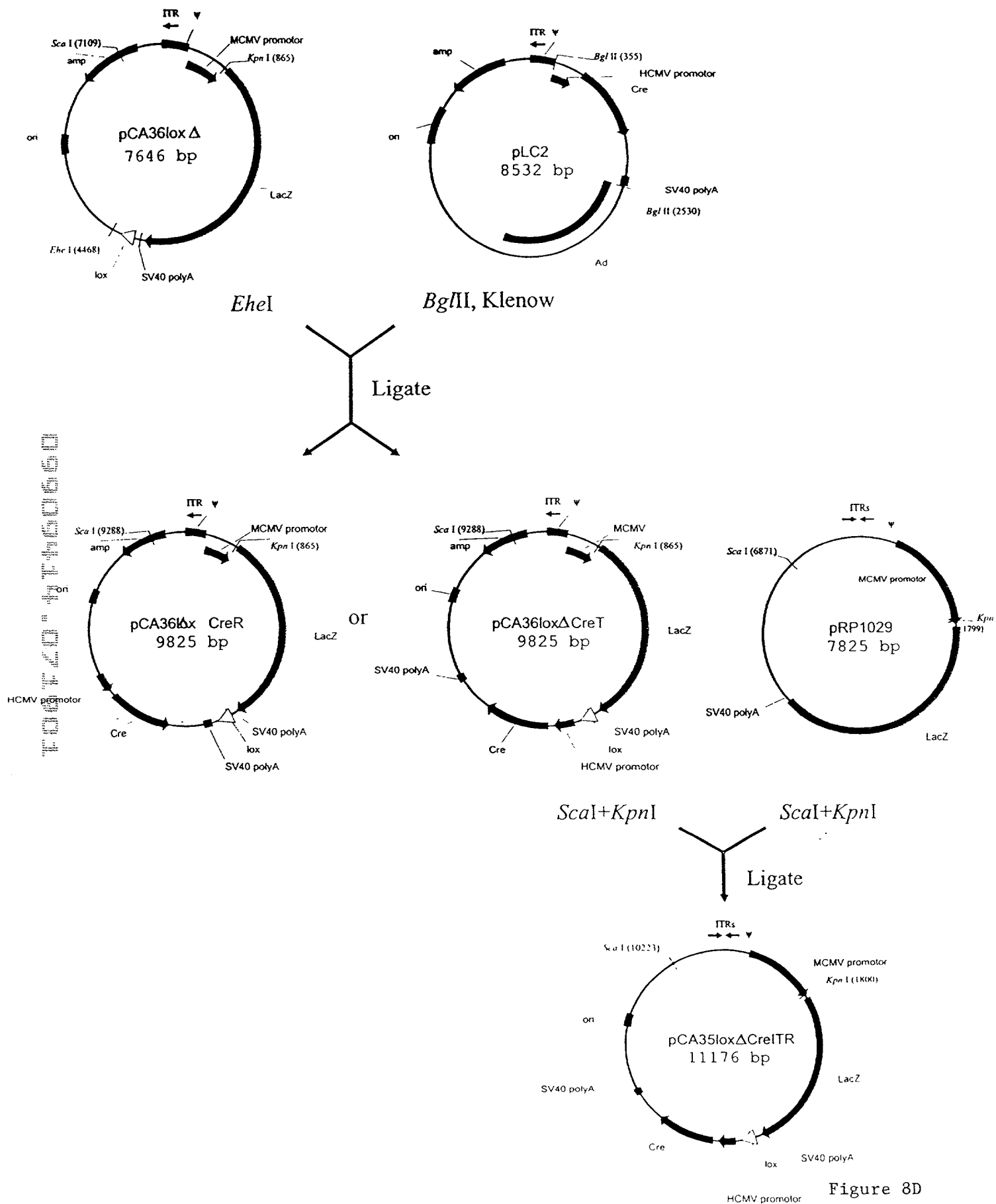
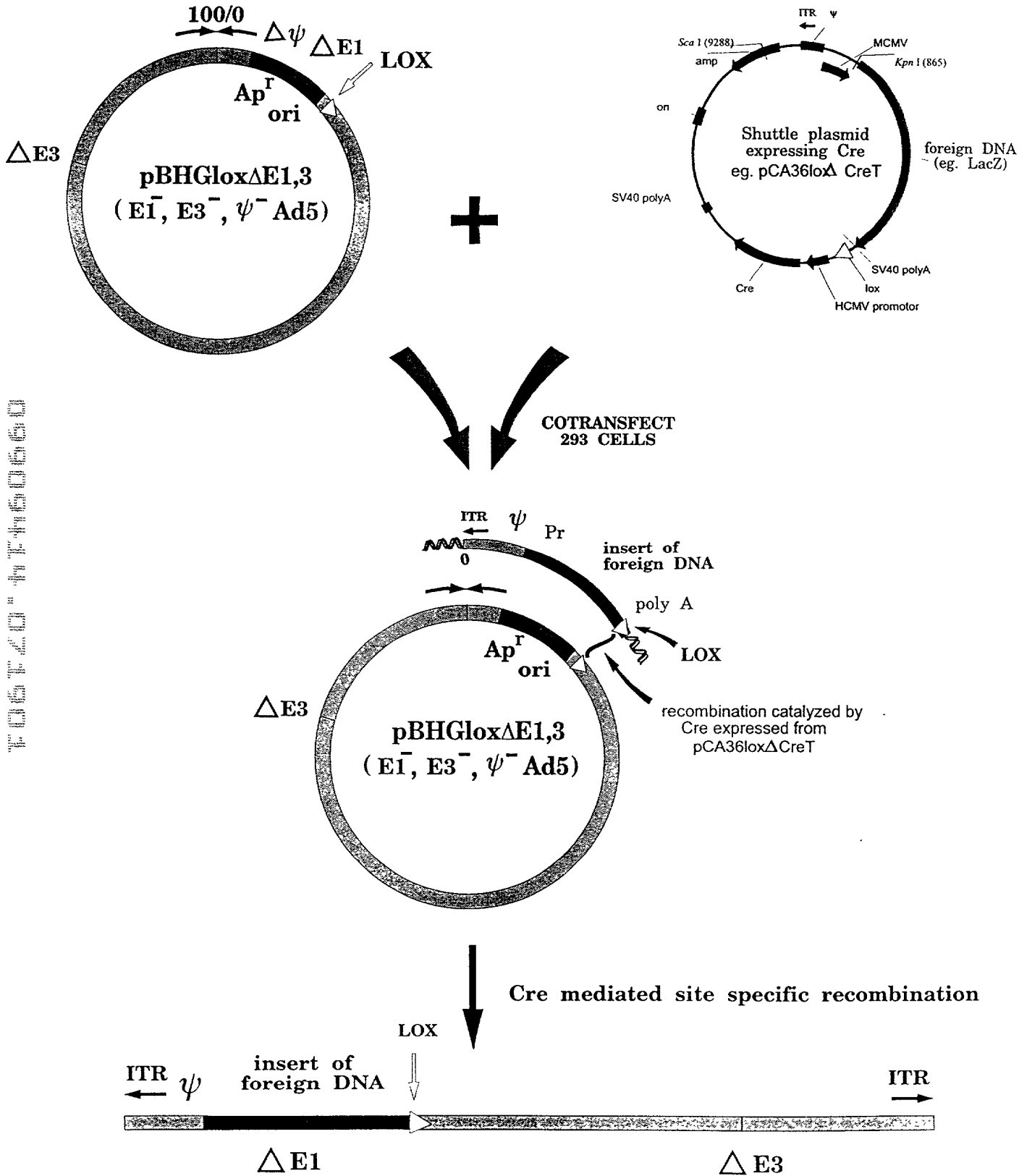


Figure 8D

Cotransfection of 293 cells with pBHGloxΔE1,3 and a "Lox" shuttle plasmid expressing Cre for generation of Ad expression vectors



DEFECTIVE VIRAL VECTOR

Figure 8E

CONSTRUCTION OF Ad GENOMIC PLASMID ENCODING CRE

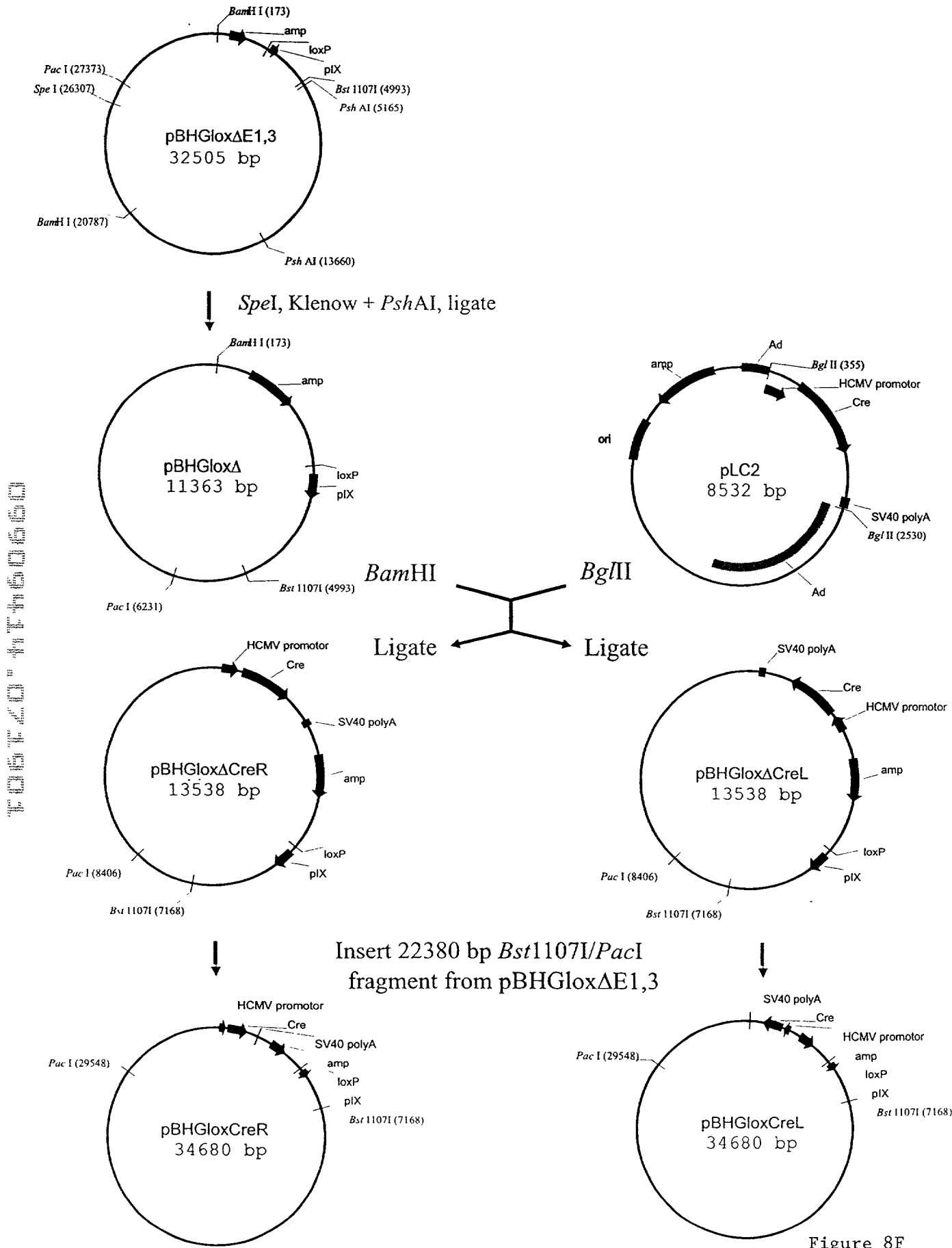
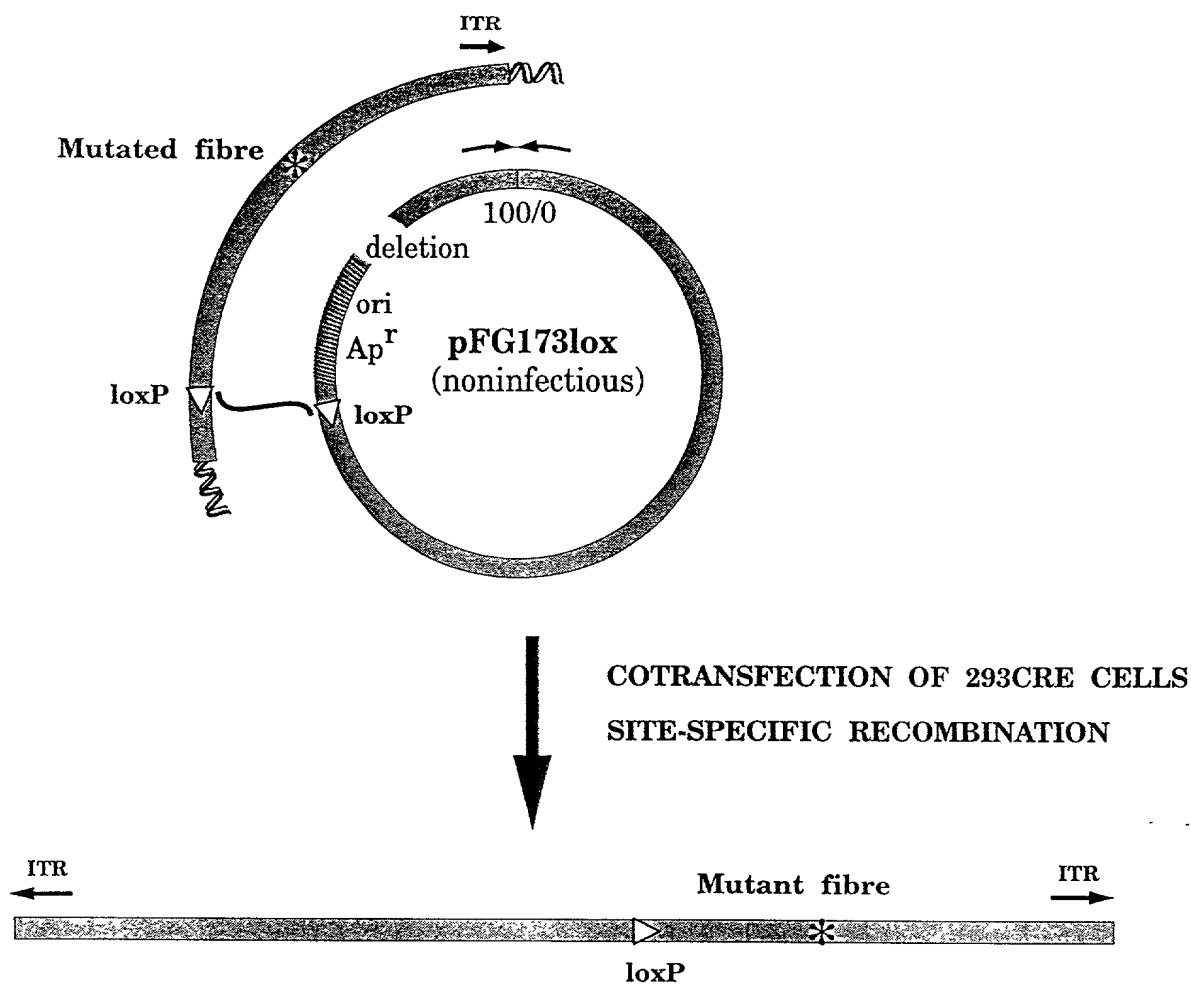


Figure 8F

RESCUE OF FIBRE MUTATIONS USING CRE/LOX RECOMBINATION



NONDEFECTIVE ($E1^+$) VIRUS WITH MUTATED FIBRE GENE

Figure 9A

CONSTRUCTION OF pAB14lox Δ

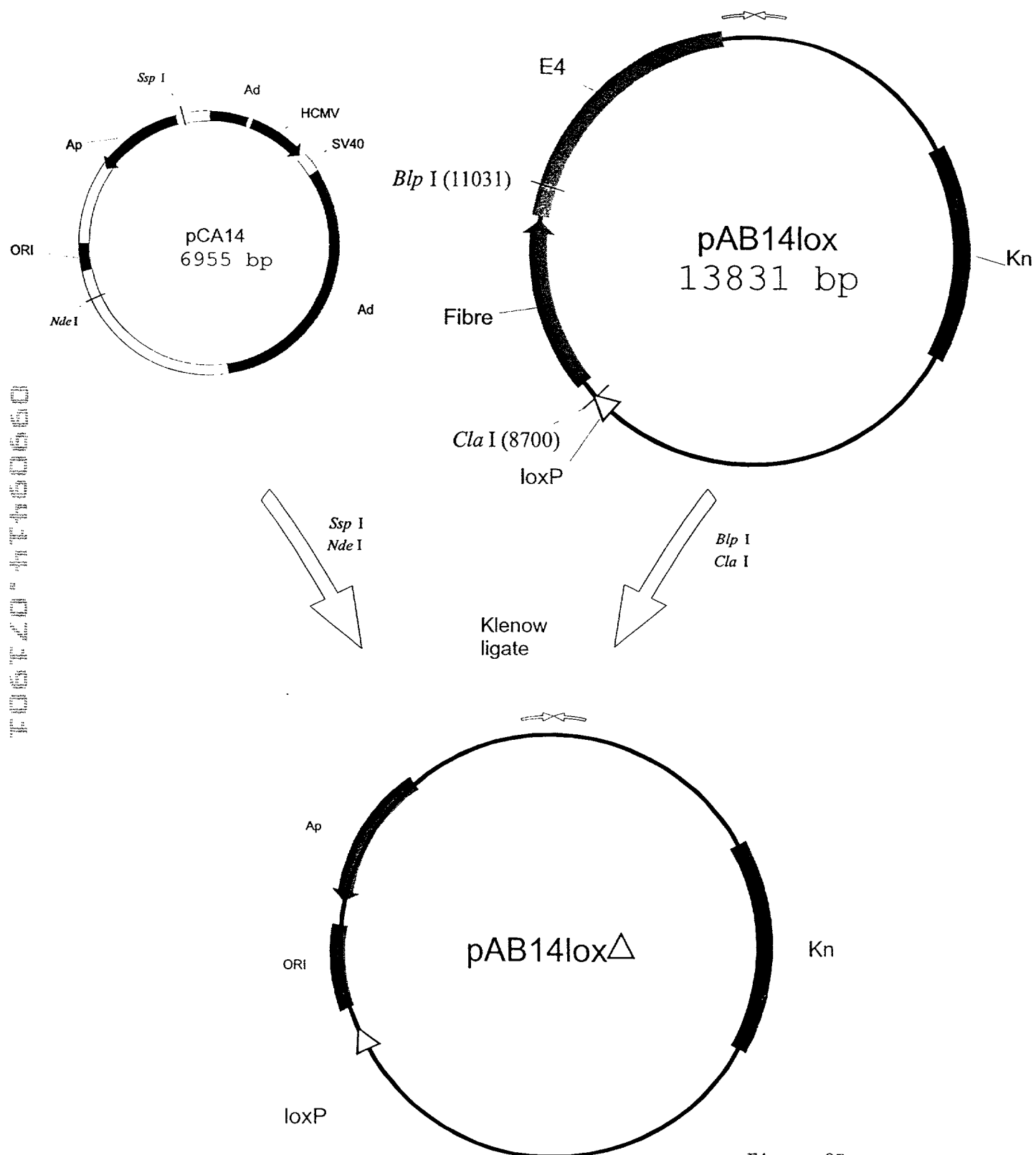
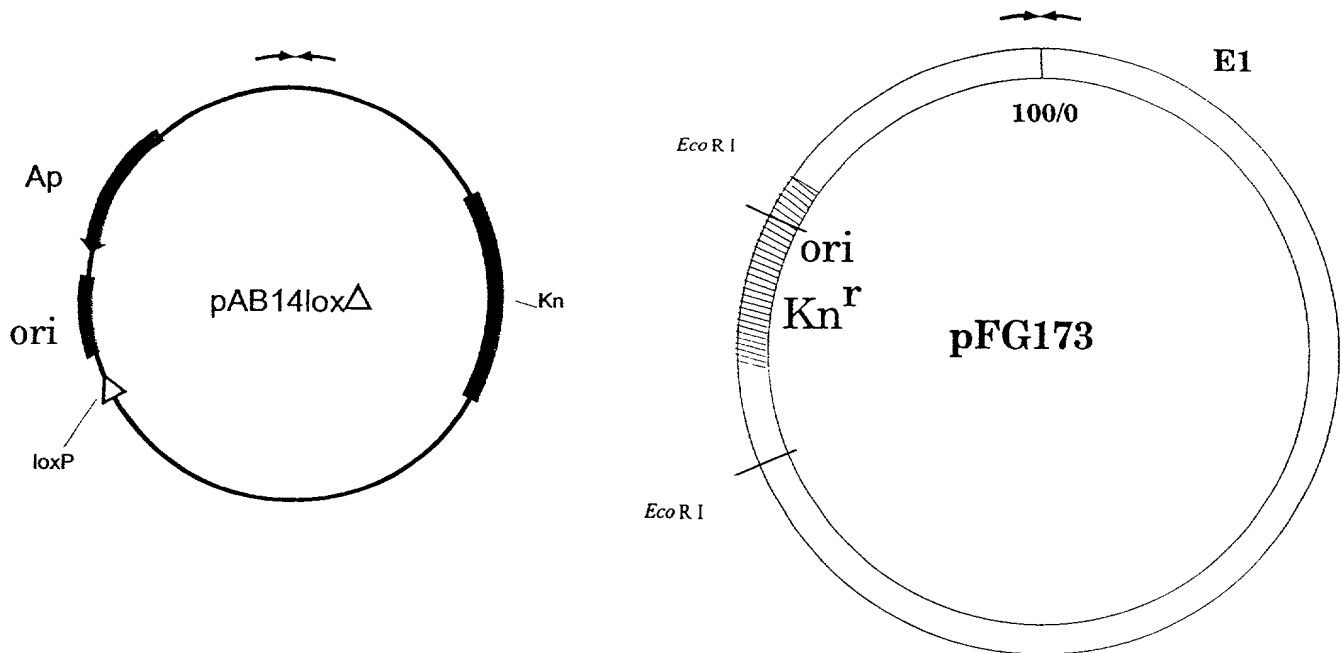


Figure 9B

CONSTRUCTION OF pFG173lox



**Restriction, transformation of *E. coli*,
homologous recombination**

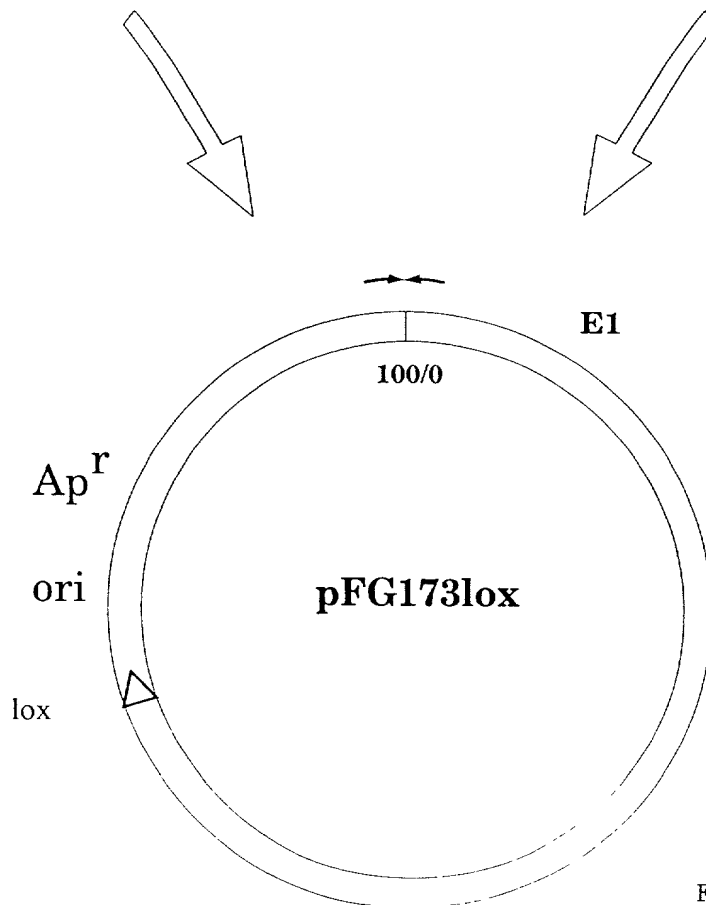


Figure 9C

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CONSTRUCTION OF pFG23dX1lox AND pFG23dX1loxc FOR RESCUE OF MUTANT FIBRE INTO AD VIRUS

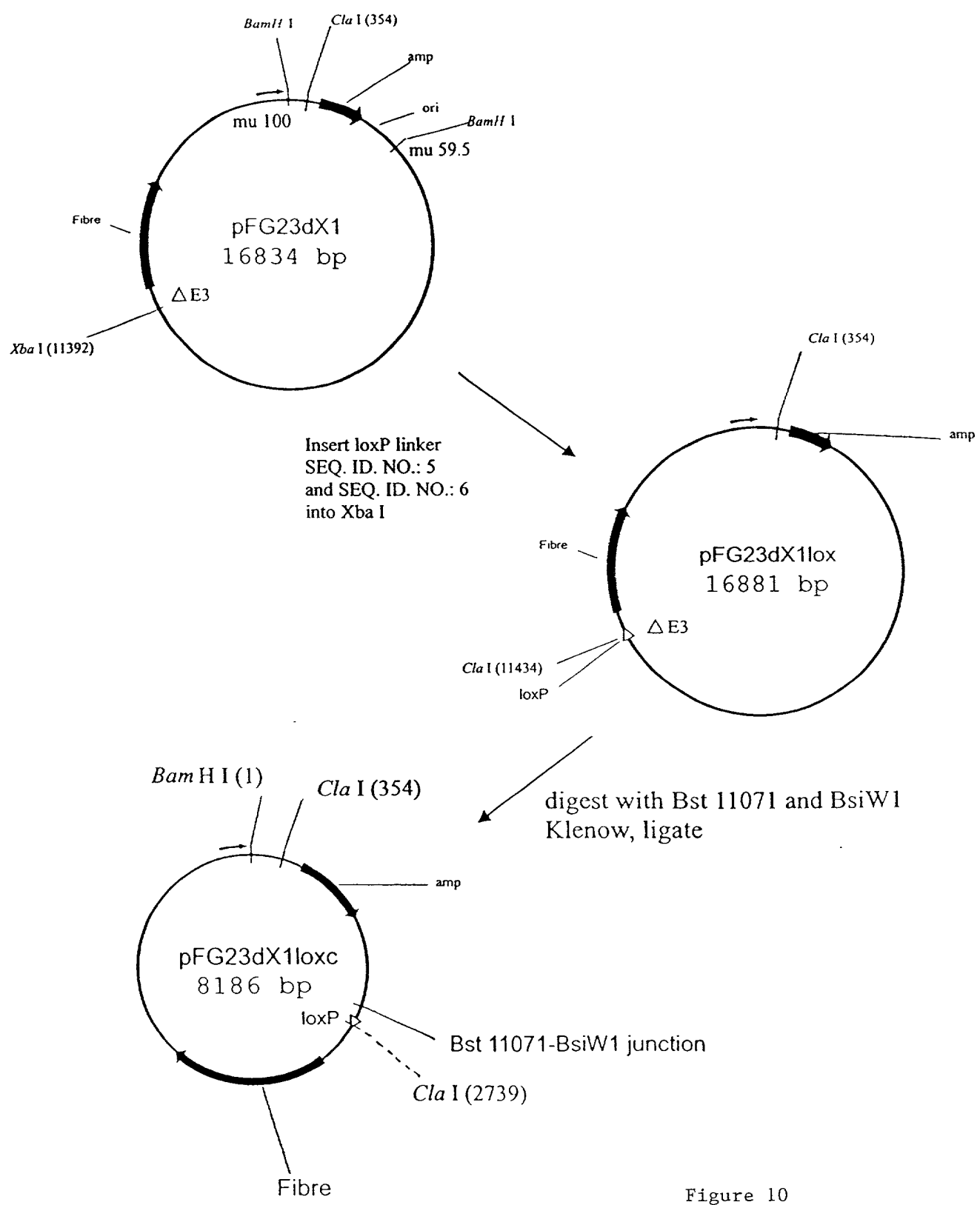


Figure 10

A PLASMID FOR RESCUE OF A FOREIGN DNA INTO AD VIRUS

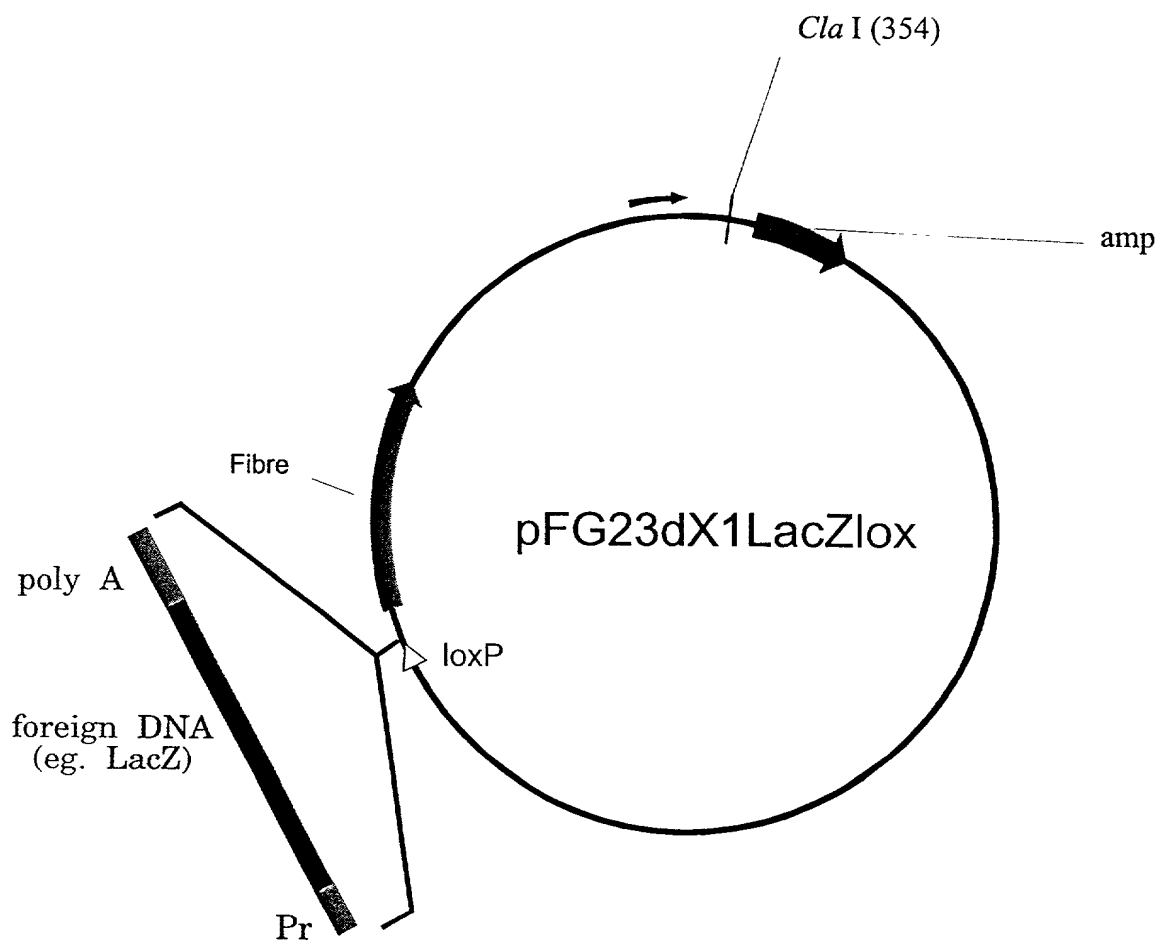
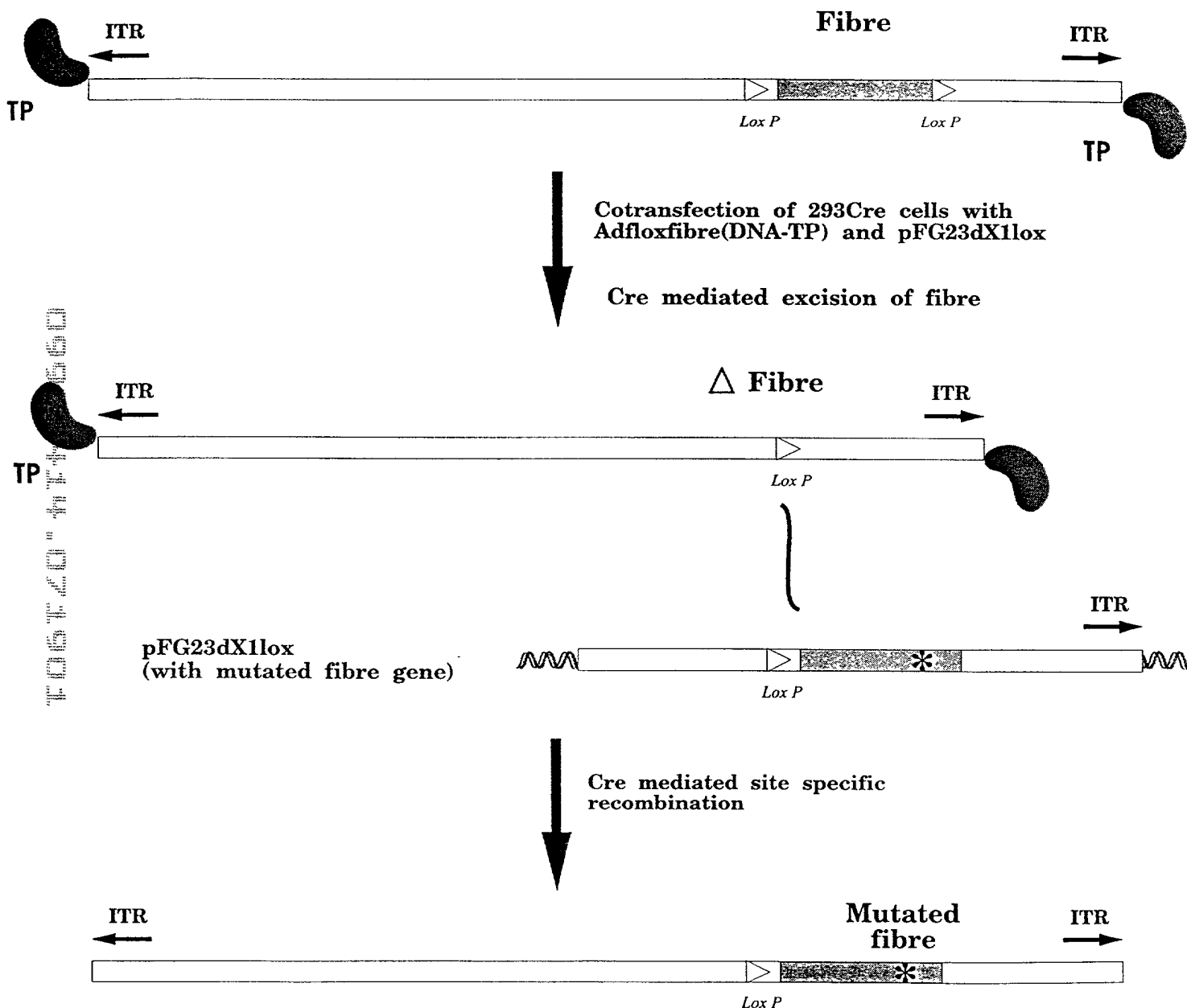


Figure 11

Isolation of a virus containing a mutant fibre gene by Cre-lox recombination using DNA-TP and cotransfection



RECOMBINANT VIRUS CONTAINING A MUTATED FIBRE GENE

Figure 12

Isolation of a virus containing a foreign DNA insert upstream of the fibre gene by Cre-lox recombination

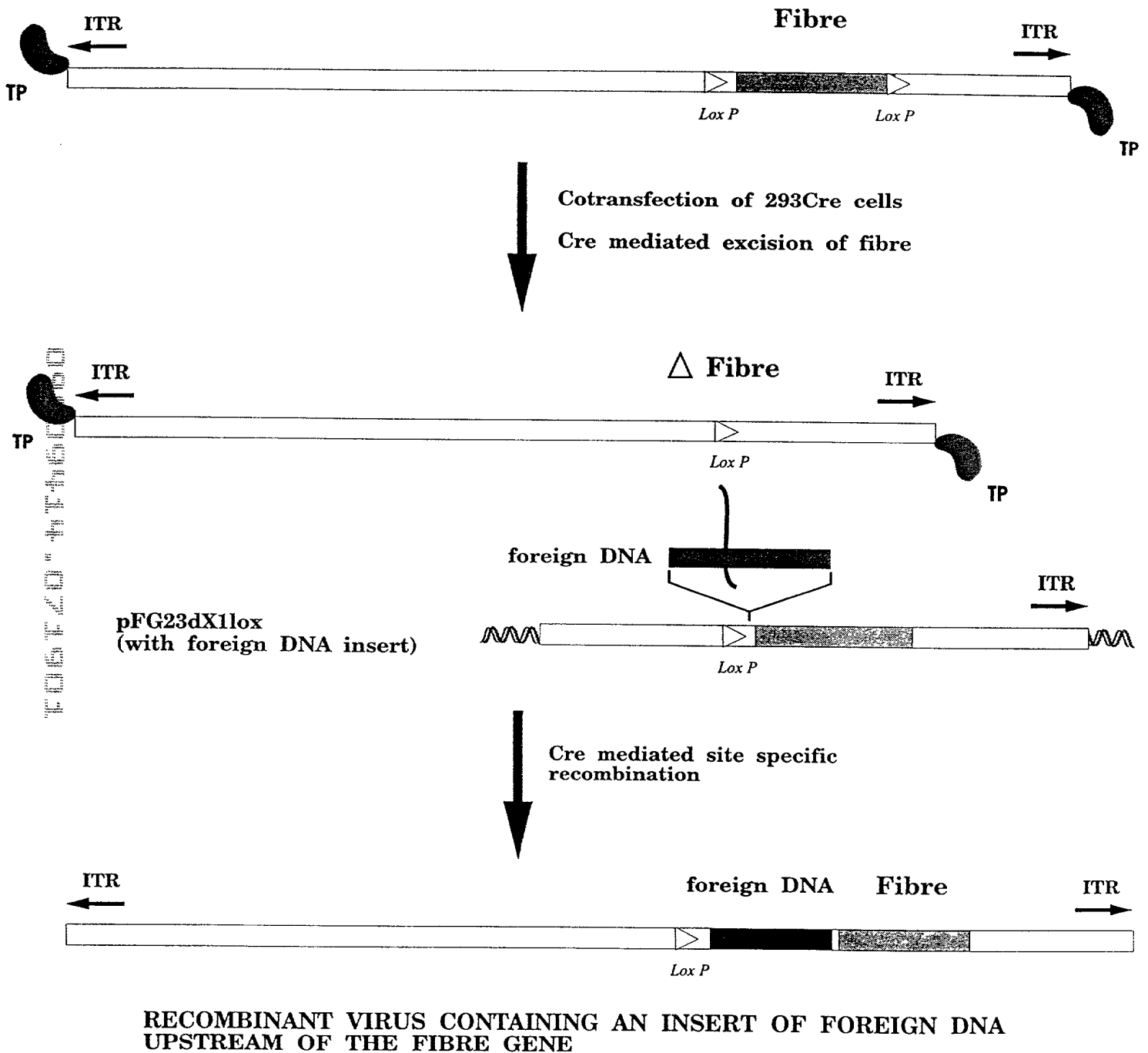


Figure 13

CONSTRUCTION OF pAB14FL0X FOR ISOLATION OF AN AD VIRUS WITH A FLOXED FIBRE GENE

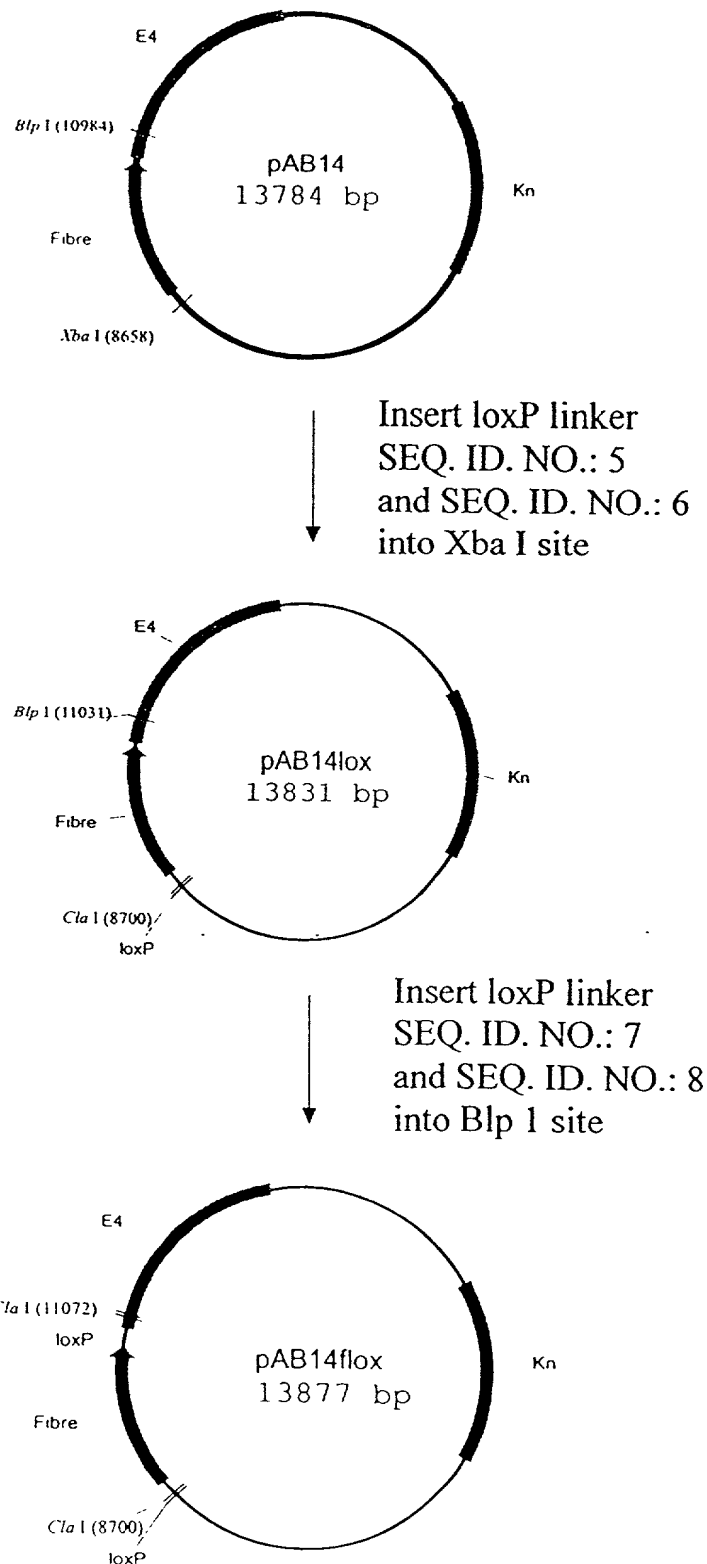


Figure 14

Isolation of a virus containing a fibre gene with flanking lox P sites.

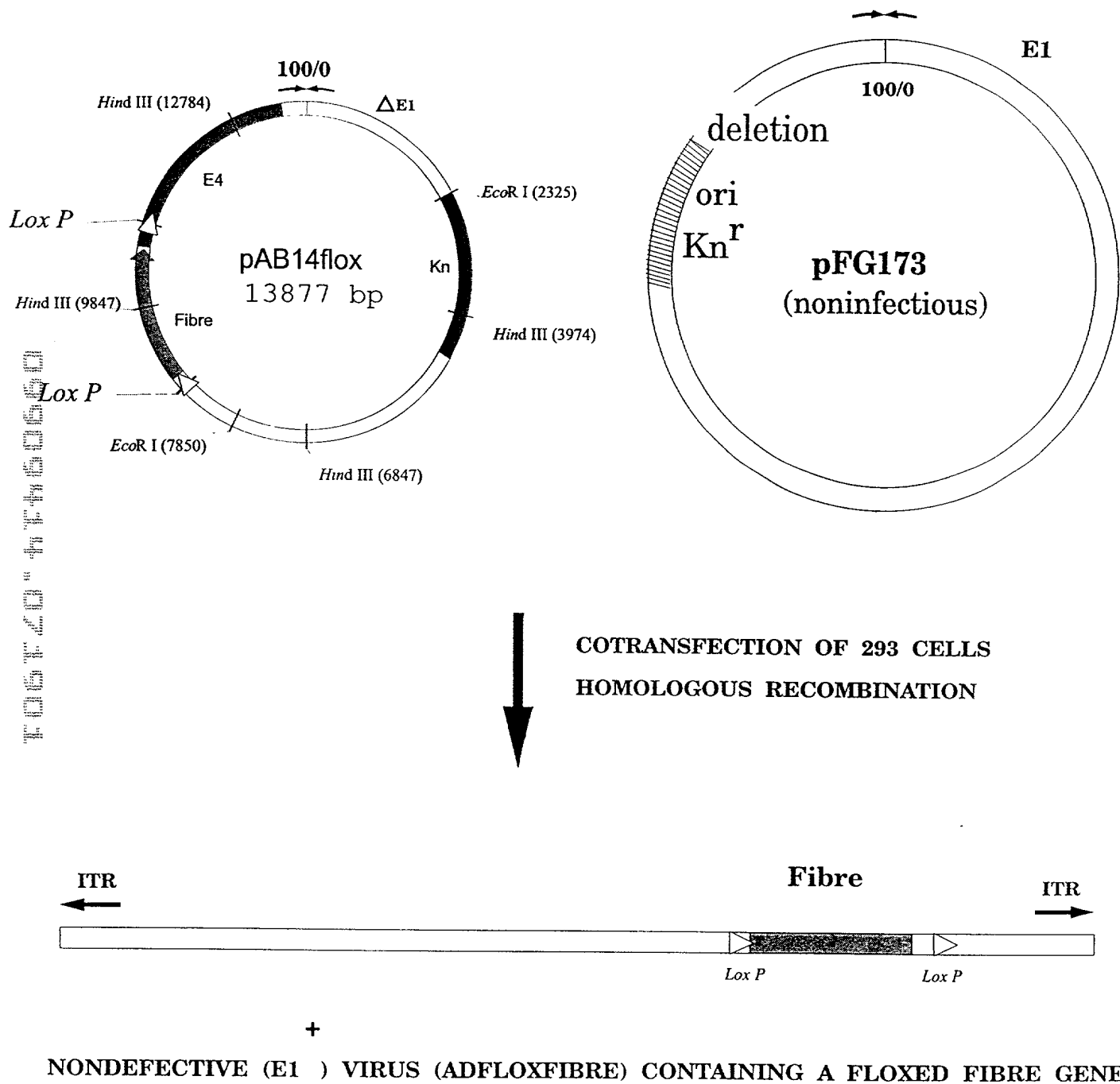


Figure 15